

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

THOMSON
*
DELPHION

RESEARCH

PRODUCTS

INSIDE DELPHION

My Account | Products

Search: Quick/Number Boolean Advanced

The Delphion Integrated View

Buy Now: ☒ PDF | More choices...

Tools: Add to Work File: ☐ Create new Work File ☒

View: INPADOC | Jump to: ☒ Go to: Derwent...

☒ Email this to a friend

🔍 Title: **JP57125683A2: METHOD AND APPARATUS FOR PRESERVATION OF FOOD USING CARBON DIOXIDE GAS AND ETHANOL VAPOR**

🔍 Country: JP Japan

🔍 Kind: A

🔍 Inventor: **MOTOYAMA SHIMESU;
UMEDA SEIICHI;**

🔍 Assignee: **FUOINTO SANGYO KK**
News, Profiles, Stocks and More about this company

🔍 Published / Filed: **1982-08-05 / 1981-01-25**

🔍 Application Number: **JP1981000009296**

🔍 IPC Code: **A23L 3/34;**

🔍 Priority Number: **1981-01-25 JP1981000819296**

🔍 Abstract:

PURPOSE: To increase the food preservation effect, by generating CO₂ gas independently to ethanol vapor, thereby eliminating the restriction on the quantity of the CO₂ gas.

CONSTITUTION: A CO₂-generating composition containing a carbonate (a compound which evolves gaseous CO₂ with an acid) such as ammonium carbonate, ammonium bicarbonate, etc. and an acid is put into a moisture-sensitive gas-permeable film bag, and ethanol is put into the same or another bag. The bag is placed separately from the food to be preserved. The ethanol is anhydrous ethanol absorbed to a carrier such as silicon dioxide and the direct contact of the ethanol with the gaseous carbon dioxide generating composition should be prevented, because the use of hydrous ethanol may cause immediate evolution of CO₂ gas with water contained in the ethanol.

COPYRIGHT: (C)1982,JPO&Japio

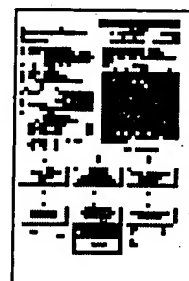
🔍 Family: None

🔍 Forward References:

Go to Result Set: Forward references (1)

Buy PDF	Patent	Pub.Date	Inventor	Assignee	Title
<input checked="" type="checkbox"/>	US6592919	2003-07-15	Matthews; Andrew Ernest	Sealed Air (NZ) Limited	Carbon dioxide atmosphere modifiers for packaging

🔍 Other Abstract: None



View Image

1 page

© EPODOC / EPO

(2)

PN - JP58140312 A 19830820
TI - STABLE COMPOSITION FOR GENERATING GASEOUS CARBON DIOXIDE
FI - C01B31/20&A ; C01B33/20 ; C01B39/00
PA - KAO CORP
IN - KATAGIRI ISAMU; NAKAGAWA YUUNOSUKE
AP - JP19820020570 19820210
PR - JP19820020570 19820210
DT - I

XP002266572

© WPI / DERWENT

AN - 1983-773861 [39]
TI - Carbon dioxide-generating compsn. contg. zeolite - comprises carbonate, solid or powdered acid e.g. succinic acid, and zeolite; used in tablet form to clean e.g. bath-tubs
AB - J58140312 (1) Compsn. (1) which generates CO2 gas comprises (2) carbonate, (3) solid or powdered acid, and (4) zeolite. (4) is moisture-free. (3) is organic acid including citric succinic, fumaric acid, etc.
- (2) is pref. NaHCO3 or KHCO3, but Na2CO3 or K2CO3 may be also used. (4) may be natural or synthetic. A synthesised aluminosilicate of the formula, (M2/nO)x.Al2O3.(SiO2)y, is pref. (in which M is Na, K, Ca or Mg; n is equal to valence of M; x is 0.7-1.5; y is 0.6-1.0). Its moisture content is pref. as little as possible. (2)/(rate is (95-3)/(3-93), pref. (95-30)/(5-70). Amt. of (4) is 0.5-50 (2-30) wt. %, relative to mixt. of (2)/(3). Other components, e.g. organic acid salt, surfactants, etc. may be added into the compsn.(1).
- The compsn. when made into a tablet, preserves its foaming (CO2-generating) performance after prolonged storage. It is useful for e.g. bath tub cleaning.(0/0)
IW - CARBON DIOXIDE GENERATE COMPOSITION CONTAIN ZEOLITE COMPRISE CARBONATE SOLID POWDER ACID SUCCINIC ACID ZEOLITE TABLET FORM CLEAN BATH TUB

PN - JP58140312 A 19830820 DW198339 003pp
- JP1009241B B 19890216 DW198911 000pp
IC - C01B31/20 ; C01B33/28
MC - J04-X
DC - J01
PA - (KAOS) KAO CORP
AP - JP19820020570 19820210
PR - JP19820020570 19820210

© PAJ / JPO

PN - JP58140312 A 19830820
TI - STABLE COMPOSITION FOR GENERATING GASEOUS CARBON DIOXIDE
AB - PURPOSE: To obtain a composition for generating gaseous CO2 preventing the